

VSP 5360 – Quick Start

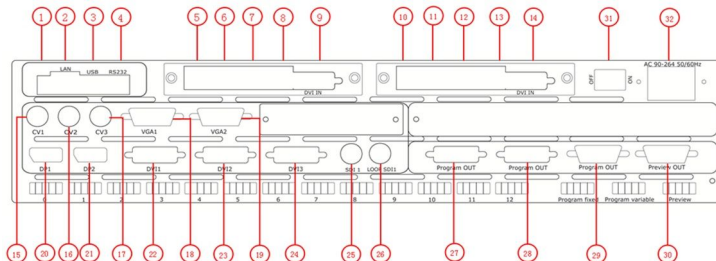
NOTE

For full installation, configuration, and operation details, please refer to VSP 5360 user manual, which is available at www.rgblink.com. This quick start provides basic instructions for an experienced installer to set up and operate VSP 5360.

IMPORTANT
Refer to www.rgblink.com for the complete user manual and installation instructions before connecting the product to the power source.

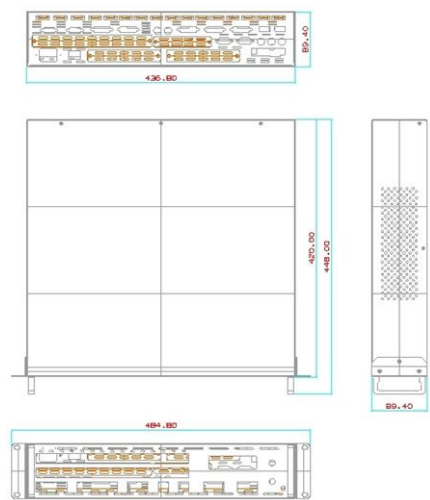
Installation and Cabling

Back Panel



Interfaces

- | | |
|--------------------------------------|-----------------------|
| ① Dial Switch | ②②① Displayport input |
| ②⑤⑥⑩⑪ 10/100M Interface RJ45 | ②②③④ DVI input |
| ③ USB Interface | ②⑤ SDI input |
| ④ RS232 Interface | ②⑥ SDI loop out |
| ⑦⑫ Power supply port of sending card | ②⑦②⑧⑨ Program output |
| ⑧⑬ USB control port of sending card | ③⑩ Preview output |
| ⑨⑭ DVI input port of sending card | ③① Switch |
| ⑮⑯⑰ CVBS input BNC port | ③② Power IEC-3 port |
| ⑱⑲ VGA input | |



Step 1-Mounting

Turn off all equipment power sources.

Step 2-CVBS Input

Connect NTSC, PAL or SECAM component video to these female BNC connectors.



Step 3-SDI Input

Input video signals from HD player or HD camera and so on, support 3G/HD/SD-SDI.



Step 4-DVI Input

Input signals from DVI signal generator or computer with DVI port.



Step 5-VGA Input

Input signal from VGA signal generator, such as PC or laptop.



Step 6-Displayport Input

Input the video signal from HD player, computer.



Step 7-SDI Loop Out

Can connect the next level VSP 5360 or the device with SDI input.



Step 8-Preview VGA Output

Connect display projectors and other equipment with standard VGA interface.



Step 9-Program DVI Output

DVI output is used to connect DVI display and LED control system, etc.



Step 10-USB Connector

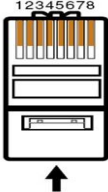
Connect VSP 5360 to PC via USB cable for windows control.



Step 11-LAN (Ethernet) Port

Use CAT5 crosswire as the picture shows. The default IP address is 192.168.0.100. User can change the IP address via RS232 or USB port.

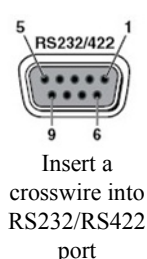
CAT5 crosswire is one end in T568A standard, the other in T568B standard. LAN (Ethernet) port is not standard configuration module.

Definition of crosswire			
End terminal	Pin	T568A cable end color	T568B cable end color
	1	White-green	White-orange
	2	Green	Orange
	3	White-green	White-green
	4	Blue	Blue
	5	White-blue	White-blue
	6	White-orange	green
	7	White-brown	White-brown
	8	Brown	Brown
		T568A	T568B

CAT5 crosswire is one end in T568A standard, the other in T568B standard.

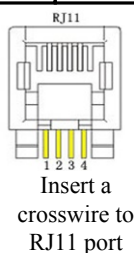
Step 12-Serial Port

Connect the back panel RJ11 port and RS232 port to a control system on computer with RS232-to-RJ11 cable. Below is the definition.



Pin	RS-232	Function	RS-422	Function
2	TX	Transmit	TX-	Transmit(-)
3	RX	Receive	RX-	Receive(-)
5	GND	Ground Signal	GND	Ground Signal
7	---	Not used	RX+	Receive(+)
8	---	Not used	TX+	Transmit(+)

Pin	RJ-11	Function
1	---	Not used
2	RX	Receive
3	TX	Transmit
4	GND	Ground Signal



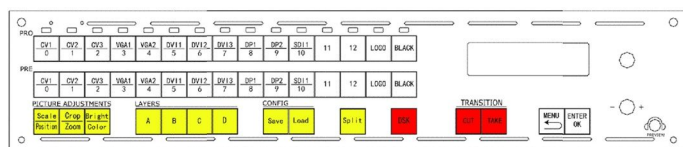
Step 13-Power

Plug in power cord with IEC connector, VSP 5360 supports AC power from 85~264V AC, 50~60Hz, which means world wide compatible.

Power On

Push power button to ON position. LCD module on the front panel will show RGBlink and VSP 5360 model information, and go into self-verification, then it will load the last setting configuration data and send the processed video to target display or device. CV1 input is the default input source. User can operate VSP 5360 with front panel buttons or remote control with windows control software run on computer, by RS232, USB or TCP/IP port.

Local Control——Front Panel Operation



How to Realize Single Image Switching

1. Boot the system default CV1 to the current input source (key on and flashes). If need seamless switch to other source such as DVI1, push DVI1 key.
2. Push DVI1 buttons, CV1 button is off, and DVI1 key lights, single image switching (that is switch CV1 to DVI1) is finished. The same method for CV2, CV3, VGA1, VGA2, DVI1, DVI2, DVI3, DP1, DP2, SD11 input signal switching.

How to Add or Clear the Layer

1. In EFFECTS area, add the layer according to actual need, that is push any key of layer A, B, C, D (or select all the 4 keys), key lights and flashes means the layer is selected, and add layer finished.
2. In EFFECTS area, push any key of layer A, B, C, D that need to clear, key flashes. Push the key again, key light is off, and clear layer finished.

How to Scale the Image

Push [Scale/Position] button, and enter the SCALE menu, button 0-9 lights are on, user can input the number or rotate the knob to set the vertical size and horizontal size.

SCALE menu are as follows:

H SIZE: Width setting.

V SIZE: Height setting.

RESET: If quality image distorts by mistake in improper operation, it can be initialized operation to recover factory setting.

How to Zoom the Image

Image vertical and horizontal zoom, the effect can stretch the image according to one direction.

Push [MENU] button, and enter the menu, rotate the knob and choose [INPUT SETUP], push the knob to confirm and choose <ZOOM>, push the knob to confirm, settings are as follows:

V UP: Enlarge the image from the top.

V DOWN: Enlarge the image from the bottom.

V UP/DOWN: Enlarge the image from the top and the bottom.

H LEFT: Enlarge the image from the left.

H RIGHT: Enlarge the image from the right.

H LEFT/RIGHT: Enlarge the image from the left and the right.

CENTER: Enlarge the image from the center.

RESET: If quality image distorts by mistake in improper operation, it can be initialized operation to recover factory setting

How to Set up the Position of the Image

1. Push [Scale/Position] button two times, the button lights, user can set up the position of the image.
2. Rotate the knob, and adjust the vertical and horizontal position.
3. If quality image distorts by mistake in improper operation, it can be initialized operation to recover factory setting.
4. Push any other button, [Scale/Position] button light is off, and close the position setting function.

How to Crop the Image

1. Push [Crop/Zoom] button, the button lights, user can crop the image.
2. Rotate the knob to crop H LEFT, V UP, H RIGHT, V DOWN of the image according to user's need.
3. If quality image distorts by mistake in improper operation, it can be initialized operation to recover factory setting.
4. Push any other button, [Crop/Zoom] button light is off, and close crop the image function.

How to Realize LOGO Capture

1. Push [MENU] button and enter the menu, rotate the knob, and select [LOGO CAPTURE] option.
2. Choose the input source.
3. Freeze image, when capture LOGO, the program image should be frozen.
4. Set the LOGO horizontal position, vertical position, horizontal size and vertical size.
5. Save the image to LOGO1 or LOGO2.
6. Start to capture LOGO.

How to Realize DSK Setting

Before DSK setting, please check the DSK input, currently, DSK input only support DVI3 input, settings are as follows:

1. Push [DVI3] button, and make sure there is input signal, and OLED shows DVI3 signal.
2. Set the size and position of [DVI3]. Push [DVI3] button in Preview area, the button light is on, and the image can be edited, push [SCALE] button to set the size.
3. Choose the input signal in Preview area.
4. Push [DSK] button, and start the DSK function.
Rotate the knob and choose <PRESET>, press the knob to confirm, choose the preset mode of DVI3, for example, WhOnBk2, press the knob to confirm.
5. Push [SAVE] button, and save the above settings.

How to Set up the Screen Parameter

Push MENU button, rotate the knob and choose [OUTPUT FORMAT] option.

The setting of screen is according to the LED size, and is applied to single image. For example, the LED size is 1408 x 832.

First, choose the resolution that most close to 1408 x 832 or larger than 1408 x 832, which ensures that all image can displayed on the LED screen. Push [MENU] button, OLED show the menu, rotate the knob and choose [SCREEN PARAMETERS], push the knob to confirm.

Then set H size and V size for 1408 and 832, and need not set the position if image is not migration. If quality image distorts by mistake in improper operation, it can be initialized operation to recover factory setting.

How to Save the Parameter

Push SAVE button, the key lights, OLED shows related save information, operate according to the prompt information.

Some of the number buttons 0-12 in PRE area are on, and some flash. The buttons on mean there are no save information, and button flashes will be overwrite. Push the button on to save, OLED shows save is successful.

How to Load the Saved Parameter

Push LOAD button, the key lights, OLED shows related load information, operate according to the prompt information.

Some of the number buttons 0-12 in PRE area are on, some flash and some are off. The button on mean is ready for recall. Push the button on to load, OLED shows recall is successful.

Common Questions and Solutions

Display has no output image

Assure there are input signals: Check if the input signal sources is normal, if normal, please check the connection; If use PC DVI or VGA as signal source, please set the display card to dual display or expanding mode.

Assure there are output signals: Get a monitor with VGA or DVI port, connect it to device output port, see if the monitor can display normally. If unnormal, check if the input signals are connected or if the output cable contacts good. If normal, check if the sending card works normally or change a sending card to test.

Display blinks

Check if preview output is normal: Get a monitor with VGA or DVI port and connect to the device output port, check if the monitor displays normally. If no flashes, check if DVI output plugs tight or change the DVI cable that connects sending card, if the monitor blinks, please check if input signal, input connecting cable and input port are normal.

Display only shows part of the image

Scale the image: Push [Scale /Position] button in the processor and knob to adjust the actual screen size of the screen, including "H Size", "V Size" and "Reset". Push the knob to confirm.

Display shows no bottom half part

Incorrect output resolution: Please make sure the points of the screen width and height, choose the resolution to be bigger than screen width via push [MENU] button to find [OUTPUT FORMAT], and push the knob to confirm.

Sending card does not support the bottom half

part: TS 802 can control the max horizontal resolution 2048, and vertical resolution 640. Each CAT5 output is 320 pixels.

All buttons light on together

Check if the dial switch is normal;

Power off the device, check if two red dial switches on back left part of the device are all upwards, if no, place them upwards, then power on the device again.

The red dial switches are mainly for upgrade.